

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	vitreous near5 vitroceraic near5 transparent near5 infrared	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 07:54
S2	6	((("5389584") or ("4835121") or ("20020022564"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/25 08:28
S3	50	(US-20060223688-\$).did. or (US-6423467-\$ or US-4044173-\$ or US-6310220-\$ or US-6465507-\$ or US-6475753-\$ or US-4535124-\$ or US-4879324-\$ or US-4945964-\$ or US-5019624-\$ or US-5187231-\$ or US-5244976-\$ or US-5320785-\$ or US-5384369-\$ or US-5434207-\$ or US-5583181-\$ or US-5591410-\$ or US-5612425-\$ or US-5744569-\$ or US-5840791-\$ or US-5955458-\$ or US-5977053-\$ or US-5994471-\$ or US-6046294-\$ or US-6156832-\$ or US-6251969-\$ or US-6258874-\$). did. or (US-6262176-\$ or US-6264839-\$ or US-6265636-\$ or US-6268418-\$ or US-6268423-\$ or US-6274546-\$ or US-6277386-\$ or US-6281375-\$ or US-6284830-\$ or US-6291573-\$ or US-6297314-\$ or US-6299936-\$ or US-6313085-\$ or US-6329359-\$ or US-6329448-\$ or US-6336942-\$ or US-6340664-\$ or US-6342472-\$ or US-6344548-\$ or US-6348530-\$ or US-6348557-\$ or US-6362192-\$ or US-6362261-\$). did.	US-PGPUB; USPAT	OR	ON	2007/04/25 11:30
S4	1	S3 and vitroceraic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:30
S5	7	S3 and infrared	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:31

## EAST Search History

S6	355	501/40.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:31
S7	451	501/37.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:31
S8	351	501/904.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:31
S9	955	S6 S7 S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:31
S10	242	501/42.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:01
S11	530	501/104.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:37
S12	1671	S9 S10 S11	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:34
S13	240	501/140.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:37
S14	1379	S9 S10 S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:37
S15	56	S14 and (gallium or "Ga") and (germanium or "Ge") and (arsenic or "As") and (sulfur or "S") and (antimony or Sb)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 11:48

## EAST Search History

S16	10	("20030104918"   "20040079114"   "20050274145"   "4481023"   "4734118"   "4747864"   "4897101"   "4929265"   "6756333"   "6984598").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/27 13:13
S17	5	S16 and (halide or halogen or iodine or chlorine or fluorine or iodide or chloride or fluoride)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 12:50
S18	186	501/43.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:01
S19	1077	501/32.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:01
S20	2141	S6 S7 S10 S18 S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:02
S21	16	S20 and ((chalcogenide or non-oxide or nonoxide) same selenide same sulfide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:11
S22	32	S20 and ((chalcogenide or non-oxide or nonoxide) same (halogen or "Br" or "I" or "Cl"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:20
S23	7	S21 not S22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:13
S24	23	S22 not S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:13

## EAST Search History

S25	88	(chalcogenide or non-oxide or nonoxide) same (halogen or "Br" or "I" or "Cl") same (germanium or "Ge") same (selenium or selenide or "Se") same (arsenic or "As") same (antimony or "Sb")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:22
S26	74	(chalcogenide or non-oxide or nonoxide) same (halogen or "Br" or "I" or "Cl") same (germanium or "Ge") same (selenium or selenide or "Se") same (arsenic or "As") same (antimony or "Sb")	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/25 14:50
S27	143	sanghera.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:51
S28	9	aggrawal.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:52
S29	45	bayya.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:52
S30	33	sanghera-jasbinder-\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:51
S31	10	bayya-shyam-\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:52
S32	0	aggrawal-ishwar-\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:52
S33	325	villalobos.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:52

## EAST Search History

S34	488	S27 S28 S29 S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:52
S35	60	S34 and (chalcogenide or nonoxide or non-oxide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:54
S36	39	S34 and (chalcogenide or nonoxide or non-oxide) same infrared	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 14:54
S37	39	S34 and (chalcogenide or nonoxide or non-oxide) same infrared	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 15:53
S38	2	("20040079114").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/25 15:53
S39	2	S38 and crystal\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 16:02
S40	43	infrared with wavelenght	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 16:02
S41	55769	infrared with wavelength	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 16:02
S42	4590	(infrared with wavelength) same glass	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 16:02
S43	107	(infrared with wavelength) same (chalcogenide with glass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 16:03

## EAST Search History

S44	3	(infrared with wavelength with ("nm" or "um")) same (chalcogenide with glass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 16:06
S45	2308	(infrared with wavelength with ("700 nm" or "750 nm"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 16:06
S46	121	(infrared with wavelength with ("700 nm" or "750 nm")) same glass	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/25 16:06
S47	2	("7143609").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/26 10:32
S48	28	("3961929"   "4388097"   "4481023"   "4734118"   "4854958"   "4921519"   "4969944"   "5026415"   "5076980"   "5108477"   "5276538"   "5284501"   "5346523"   "5623368"   "5744409"   "5852516"   "5876642"   "5910256"   "5938807"   "6003336"   "6003338"   "6105395"   "6119485"   "6151915"   "6151917"   "6178281"   "6230520"   "6784128").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/27 11:23
S49	1	EP-1034145-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 11:19
S50	2	("5389584").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/27 11:20
S51	0	S50 and ("CsX" or "CsI" or "CsF" or "CsBe" or "CsCl")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 11:21

## EAST Search History

S52	2	S50 and (halide or halogen)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 11:21
S53	28	("3961929"   "4388097"   "4481023"   "4734118"   "4854958"   "4921519"   "4969944"   "5026415"   "5076980"   "5108477"   "5276538"   "5284501"   "5346523"   "5623368"   "5744409"   "5852516"   "5876642"   "5910256"   "5938807"   "6003336"   "6003338"   "6105395"   "6119485"   "6151915"   "6151917"   "6178281"   "6230520"   "6784128").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/27 11:23
S54	18	S53 and crystal\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 12:53
S55	395	(vitroceramic or glassceramic or (glass adj ceramic)) with infrared	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 12:56
S56	5	(vitroceramic or glassceramic or (glass adj ceramic)) with infrared with ((particle adj size) or size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 12:57
S57	0	(vitroceramic or glassceramic or (glass adj ceramic)) with infrared with (crystal near ((particle adj size) or size))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 12:57
S58	2	("5392376").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/04/27 13:14
S59	22	("4188089"   "4612294"   "4704371"   "4942144"   "5240885").PN. OR ("5392376").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/27 14:33
S60	21	S59 and (cesium or "Cs" or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 14:36

## EAST Search History

S61	365	(cesium or "Cs" or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF") with ("Sb" or antimony) same (chalcogenide or non-oxide or nonoxide or vitroceramic or (vitro near ceramic) or (milky near glass) or (glass near ceramic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 14:38
S62	365	(cesium or "Cs" or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF") with ("Sb" or antimony) same (chalcogenide or non-oxide or nonoxide or vitroceramic or (vitro near ceramic) or (milky near glass) or (glass near ceramic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 14:39
S63	13	(cesium or "Cs" or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF") with ("Sb" or antimony) with sulfur with germanium same (chalcogenide or non-oxide or nonoxide or vitroceramic or (vitro near ceramic) or (milky near glass) or (glass near ceramic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 15:03
S64	5	infrared with optics with (vitroceramics or (vitro near ceramics) or (glass near ceramics) or (milky near ceramics))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/27 15:04
S65	1671	(crystal or microcrystal or microcrystalline or crystalline) same (citroceramic or (glass near ceramic) or (milky near glass))	JPO; DERWENT	OR	ON	2007/04/30 07:58
S66	114	(crystal or microcrystal or microcrystalline or crystalline) same (citroceramic or (glass near ceramic) or (milky near glass)) same size	JPO; DERWENT	OR	ON	2007/04/30 07:58
S67	1	(crystal or microcrystal or microcrystalline or crystalline) same (citroceramic or (glass near ceramic) or (milky near glass)) same size same infrared	JPO; DERWENT	OR	ON	2007/04/30 07:57
S68	1	(crystal or microcrystal or microcrystalline or crystalline) with size same (citroceramic or (glass near ceramic) or (milky near glass)) same infrared	JPO; DERWENT	OR	ON	2007/04/30 07:58
S69	1677	(crystal or microcrystal or microcrystalline or crystalline) same (vitroceramic or (glass near ceramic) or (milky near glass))	JPO; DERWENT	OR	ON	2007/04/30 07:58



## EAST Search History

S70	114	(crystal or microcrystal or microcrystalline or crystalline) same (vitroceramic or (glass near ceramic) or (milky near glass)) same size	JPO; DERWENT	OR	ON	2007/04/30 07:58
S71	114	(crystal or microcrystal or microcrystalline or crystalline) same (vitroceramic or (glass near ceramic) or (milky near glass) or (vitro near ceramic)) same size	JPO; DERWENT	OR	ON	2007/04/30 07:59
S72	1	(crystal or microcrystal or microcrystalline or crystalline) with size same (vitroceramic or (glass near ceramic) or (milky near glass) or (vitro near ceramic)) same infrared	JPO; DERWENT	OR	ON	2007/04/30 07:59
S73	94	(crystal or microcrystal or microcrystalline or crystalline) with size same (vitroceramic or (glass near ceramic) or (milky near glass) or (vitro near ceramic))	JPO; DERWENT	OR	ON	2007/04/30 08:43
S74	0	(crystal or microcrystal or microcrystalline or crystalline) with size same (vitroceramic or (glass near ceramic) or (milky near glass) or (vitro near ceramic)) and (chalcogenide or non-oxide or (non near oxide))	JPO; DERWENT	OR	ON	2007/04/30 08:44
S75	355	501/40.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 14:31
S76	26	S75 and (cesium or (cesium near iodide) or (cesium near bromide) or (cesium near fluoride) or (cesium near chloride) or (cesium near halide) or "CsX" or "CsI" or "CsBr" or "CsCl" or "CsF")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/04/30 14:33